

(19) 世界知的所有権機関
国際事務局(43) 国際公開日
2001年6月14日 (14.06.2001)

PCT

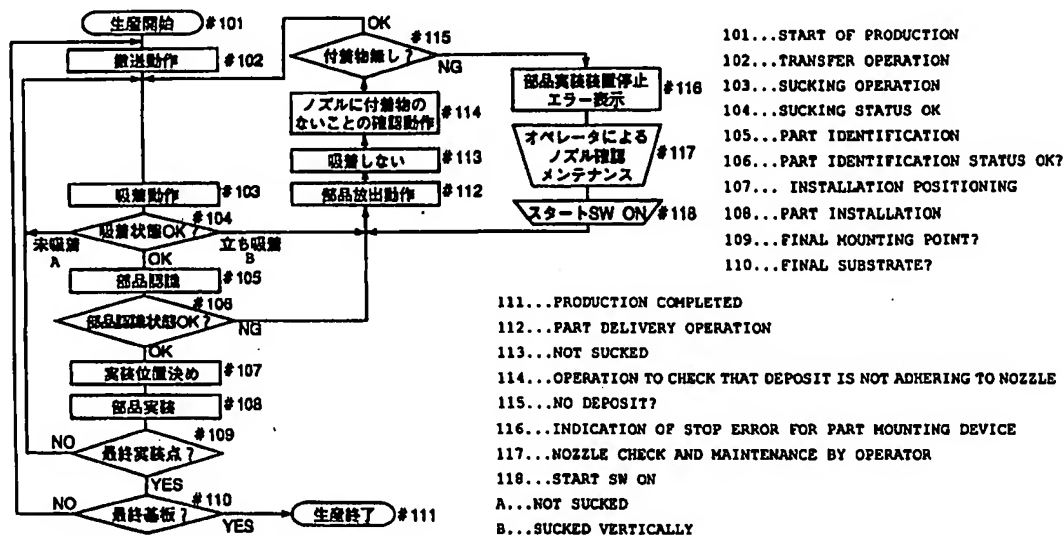
(10) 国際公開番号
WO 01/43523 A1

- (51) 国際特許分類⁷: H05K 13/04 (72) 発明者; および
(75) 発明者/出願人 (米国についてのみ): 山本裕樹 (YAMAMOTO, Hiroki) [JP/JP]; 〒400-0056 山梨県甲府市堀之内町891, ジュネバレス向井2-401 Yamanashi (JP). 今福茂樹 (IMAFUKU, Shigeki) [JP/JP]; 〒400-0214 山梨県中巨摩郡白根町百々2004-1, ピューハイツB-202 Yamanashi (JP). 泉田圭三 (IZUMIDA, Keizo) [JP/US]; 60005 イリノイ州 アーリントン・ハイツ イースト・セントラル・ロード・ナンバー115, 1501 Illinois (US). 栗林 毅 (KURIBAYASHI, Takeshi) [JP/JP]; 〒409-3822 山梨県中巨摩郡玉穂町下三条1296-3 Yamanashi (JP).
- (21) 国際出願番号: PCT/JP00/08639
- (22) 国際出願日: 2000年12月7日 (07.12.2000)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願平11/347565 1999年12月7日 (07.12.1999) JP
特願平 2000-97965
2000年3月31日 (31.03.2000) JP
- (71) 出願人 (米国を除く全ての指定国について): 松下電器産業株式会社 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) [JP/JP]; 〒571-8501 大阪府門真市大字門真1006番地 Osaka (JP).
- (74) 代理人: 青山 葆, 外(AOYAMA, Tamotsu et al.); 〒540-0001 大阪府大阪市中央区城見1丁目3番7号 IMPビル 青山特許事務所 Osaka (JP).
- (81) 指定国 (国内): CN, US.

[続葉有]

(54) Title: PART MOUNTING METHOD, PART MOUNTING DEVICE, AND RECORDING MEDIA

(54) 発明の名称: 部品実装方法及び部品実装装置、並びに記録媒体



(57) Abstract: A part mounting method and a part mounting device capable of avoiding a trouble caused by a production operation leaving deposit on a part holding part in the production operation for part installation, wherein, when a part (3) not in a holding posture capable of mounting the part (3) normally is detected in a judgment for holding the posture of the part (3) by the part holding part (14) (#104), the part (3) is delivered to a part collecting device (23) (#112), the part (3) is not sucked at a next part removal position (15) (#113), desirably a part holding posture judging device (17) should be used to detect whether deposit is present or not on the part holding part (14) (#114), and the next part (3) is sucked (#103) after the absence of deposit is confirmed (#115) and, when deposit is observed by the detection, the part mounting device is stopped (#116) or a warning is given, the maintenance of the part holding part (14) is promoted, and the production operation is restarted (#118) after the maintenance of the part holding part (14) is performed (#117).

[続葉有]

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 662130	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP00/08639	International filing date (day/month/year) 07 December 2000 (07.12.00)	Priority date (day/month/year) 07 December 1999 (07.12.99)
International Patent Classification (IPC) or national classification and IPC H05K 13/04		
Applicant MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 7 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 11 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☒ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 12 June 2001 (12.06.01)	Date of completion of this report 12 November 2001 (12.11.2001)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.